

Title (en)
AUTOMATED IMAGE REGISTRATION WITH VARIED AMOUNTS OF A PRIORI INFORMATION USING A MINIMUM ENTROPY METHOD

Title (de)
AUTOMATISIERTE BILDREGISTRIERUNG MIT VERÄNDERLICHER MENGE VON A-PRIORI-INFORMATIONEN MITTELS EINES MINDESTENTROPIEVERFAHRENS

Title (fr)
ALIGNEMENT AUTOMATIQUE D'IMAGES AVEC QUANTITÉS VARIABLES D'INFORMATIONS A PRIORI À L'AIDE D'UNE MÉTHODE DE RÉDUCTION AU MINIMUM DE L'ENTROPIE

Publication
EP 2761594 A1 20140806 (EN)

Application
EP 12791586 A 20120920

Priority
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Abstract (en)
[origin: US2013077891A1] An image registration method includes: providing a reference image and a source image; using a wavelet transformation to produce a transformed reference image and a transformed source image; using the transformed reference image and the transformed source image to estimate affine transform parameters; using the reference image, the source image, and the affine transform estimates to maximize normalized mutual information between the reference image and the source image; and using the normalized mutual information to perform sub-pixel geo-spatial registration of the reference image and the source image to produce an output image. An apparatus that performs the method is also provided.

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Citation (search report)
See references of WO 2013048846A1

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